

10777616\_CLS  
Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10777616 on September 02, 2004

Original Classifications

4 378/119  
2 175/67  
2 372/5  
2 451/36

Cross-Reference Classifications

5 378/119  
3 175/424  
3 219/121.84  
3 378/143  
2 175/393  
2 175/418  
2 175/67  
2 204/192.1  
2 205/646  
2 219/121.64  
2 250/423P  
2 250/493.1  
2 250/504R  
2 299/17  
2 299/81.3  
2 372/56  
2 427/582  
2 427/597  
2 433/88  
2 451/102

Combined Classifications

9 378/119  
4 175/424  
4 175/67  
4 378/143  
3 219/121.84  
3 250/423P  
2 175/393  
2 175/418  
2 204/192.1  
2 205/646  
2 219/121.6  
2 219/121.63  
2 219/121.64  
2 239/102.2  
2 250/493.1

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2 250/504R  
2 299/17  
2 299/81.3  
2 347/47  
2 372/5  
2 372/56  
2 427/582  
2 427/597  
2 433/216  
2 433/88  
2 451/102  
2 451/36  
2 451/40

10777616\_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10777616 on September 02, 2004

9	378/119	(4 OR, 5 XR)
	Class 378 :	X-RAY OR GAMMA RAY SYSTEMS OR DEVICES
	378/119	SOURCE
4	175/424	(1 OR, 3 XR)
	Class 175 :	BORING OR PENETRATING THE EARTH
	175/424	MISCELLANEOUS (E.G., EARTH-BORING NOZZLE)
4	175/67	(2 OR, 2 XR)
	Class 175 :	BORING OR PENETRATING THE EARTH
	175/57	PROCESSES
	175/65	.Boring with specific fluid
	175/67	..Boring by fluid erosion
4	378/143	(1 OR, 3 XR)
	Class 378 :	X-RAY OR GAMMA RAY SYSTEMS OR DEVICES
	378/119	SOURCE
	378/143	.Target
3	219/121.84	(0 OR, 3 XR)
	Class 219 :	ELECTRIC HEATING
	219/50	METAL HEATING (E.G., RESISTANCE HEATING)
	219/121.11	.By arc
	219/121.6	..Using laser
	219/121.84	...With fluid supply
3	250/423P	(1 OR, 2 XR)
	Class 250 :	RADIANT ENERGY
	250/423R	ION GENERATION
	250/423P	.Photoionization type
2	175/393	(0 OR, 2 XR)
	Class 175 :	BORING OR PENETRATING THE EARTH
	175/327	BIT OR BIT ELEMENT
	175/393	.With fluid conduit lining or element (e.g., slush tube)
2	175/418	(0 OR, 2 XR)
	Class 175 :	BORING OR PENETRATING THE EARTH
	175/327	BIT OR BIT ELEMENT
	175/414	.Impact or percussion type
	175/417	..With internal-fluid passage
	175/418	...Plural openings

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- 2 204/192.1 (0 OR, 2 XR)  
 Class 204 : CHEMISTRY: ELECTRICAL AND WAVE ENERGY  
 204/192.1 .Coating, forming or etching by sputtering
  
- 2 205/646 (0 OR, 2 XR)  
 Class 205 : ELECTROLYSIS: PROCESSES, COMPOSITIONS USED  
 THEREIN, AND METHODS OF PREPARING THE COMP  
 OSITIONS  
 205/640 ELECTROLYTIC EROSION OF A WORKPIECE FOR SHAPE  
 OR SURFACE CHANGE (E.G., ETCHING, POLISHIN  
 G, ETC.) (PROCESS  
 AND ELECTROLYTE COMPOSITION)  
 205/646 .With programmed, cyclic, or time responsive  
 control
  
- 2 219/121.6 (1 OR, 1 XR)  
 Class 219 : ELECTRIC HEATING  
 219/50 METAL HEATING (E.G., RESISTANCE HEATING)  
 219/121.11 .By arc  
 219/121.6 ..Using laser
  
- 2 219/121.63 (1 OR, 1 XR)  
 Class 219 : ELECTRIC HEATING  
 219/50 METAL HEATING (E.G., RESISTANCE HEATING)  
 219/121.11 .By arc  
 219/121.6 ..Using laser  
 219/121.63 ...Welding
  
- 2 219/121.64 (0 OR, 2 XR)  
 Class 219 : ELECTRIC HEATING  
 219/50 METAL HEATING (E.G., RESISTANCE HEATING)  
 219/121.11 .By arc  
 219/121.6 ..Using laser  
 219/121.63 ...Welding  
 219/121.64 ....Methods
  
- 2 239/102.2 (1 OR, 1 XR)  
 Class 239 : FLUID SPRINKLING, SPRAYING, AND DIFFUSING  
 239/102.1 WITH MEANS TO VIBRATE OR JIGGLE DISCHARGE  
 239/102.2 .By electric transducer (e.g., piezoelectric  
 crystal)
  
- 2 250/493.1 (0 OR, 2 XR)  
 Class 250 : RADIANT ENERGY  
 250/493.1 RADIANT ENERGY GENERATION AND SOURCES
  
- 2 250/504R (0 OR, 2 XR)

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Class 250 : RADIANT ENERGY  
 250/493.1 RADIANT ENERGY GENERATION AND SOURCES  
 250/503.1 .With radiation modifying member  
 250/504R ..Ultraviolet or infrared source

2 299/17 (0 OR, 2 XR)  
 Class 299 : MINING OR IN SITU DISINTEGRATION OF HARD MATERIAL  
 299/10 PROCESSES  
 299/16 .Breaking down by direct contact with fluid  
 299/17 ..Jetting (e.g., hydraulic mining)

2 299/81.3 (0 OR, 2 XR)  
 Class 299 : MINING OR IN SITU DISINTEGRATION OF HARD MATERIAL  
 299/79.1 CUTTER TOOTH OR TOOTH HEAD  
 299/81.1 .Cleansing fluid passage  
 299/81.3 ..Nozzle or seal details

2 347/47 (1 OR, 1 XR)  
 Class 347 : INCREMENTAL PRINTING OF SYMBOLIC INFORMATION  
 347/1 INK JET  
 347/20 .Ejector mechanism (i.e., print head)  
 347/44 ..Discharge means  
 347/47 ...Nozzles

2 372/5 (2 OR, 0 XR)  
 Class 372 : COHERENT LIGHT GENERATORS  
 372/5 SHORT WAVELENGTH LASER

2 372/56 (0 OR, 2 XR)  
 Class 372 : COHERENT LIGHT GENERATORS  
 372/39 PARTICULAR ACTIVE MEDIA  
 372/55 .Gas  
 372/56 ..Metal vapor

2 427/582 (0 OR, 2 XR)  
 Class 427 : COATING PROCESSES  
 427/457 DIRECT APPLICATION OF ELECTRICAL, MAGNETIC, WAVE, OR PARTICULATE ENERGY  
 427/582 .Photoinitiated chemical vapor deposition (i.e., photo CVD)

2 427/597 (0 OR, 2 XR)  
 Class 427 : COATING PROCESSES  
 427/457 DIRECT APPLICATION OF ELECTRICAL, MAGNETIC, WAVE, OR PARTICULATE ENERGY

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427/595 .Electromagnetic or particulate radiation  
utilized (e.g., IR, UV, X-ray, gamma ray,  
actinic,  
microwave, radio wave, atomic particle; i  
.e., alpha ray,  
beta ray, electron, etc.)

427/596 ..Laser or electron beam (e.g., heat source,  
etc.)

427/597 ...Metal or metal alloy containing coating  
material applied

2 433/216 (1 OR, 1 XR)  
Class 433 : DENTISTRY  
433/215 METHOD OR MATERIAL FOR TESTING, TREATING,  
RESTORING, OR REMOVING NATURAL TEETH  
433/216 .Cleaning

2 433/88 (0 OR, 2 XR)  
Class 433 : DENTISTRY  
433/25 APPARATUS  
433/80 .Having intra-oral dispensing means  
433/88 ..Dispensed material discharged by fluid  
current

2 451/102 (0 OR, 2 XR)  
Class 451 : ABRADING  
451/64 MACHINE  
451/75 .Sandblast  
451/102 ..Sandblast nozzle structure

2 451/36 (2 OR, 0 XR)  
Class 451 : ABRADING  
451/28 ABRADING PROCESS  
451/36 .Utilizing fluent abradant

2 451/40 (1 OR, 1 XR)  
Class 451 : ABRADING  
451/28 ABRADING PROCESS  
451/36 .Utilizing fluent abradant  
451/38 ..By blasting  
451/40 ...With nonatmospheric fluid carrier